



TECHNICAL DATA SHEET

Doc. Ref: SPR-TDS-RLS · Rev. 01 · July 2026

ROOF LIGHT SHEET GRADE RESIN

Water-White Unsaturated Polyester Resin · Orthophthalic · Translucent Roof Light Panels

PRODUCT DESCRIPTION

Roof Light Sheet Grade Resin is an orthophthalic unsaturated polyester resin formulated for translucent roof light panels that allow natural light into buildings. Water-white with a 6.5-minute gel time, it maintains high optical clarity for maximum light penetration while resisting yellowing, brittleness and degradation from sun exposure. It cures with MEKP into a rigid crosslinked polymer, with a viscosity of 280 cPs for easy hand layup.

KEY FEATURES

- High optical clarity, water-white colour
- UV-resistant — resists yellowing and brittleness
- Viscosity of 280 cPs for easy hand layup
- Cures with MEKP into a rigid crosslinked polymer
- 2-month shelf life

RECOMMENDED APPLICATIONS

- Skylights and roof light panels
- Greenhouses
- Industrial and commercial roofing
- Hand layup and roofing sheet production

TYPICAL TECHNICAL PROPERTIES

Resin Type	Orthophthalic unsaturated polyester
Physical Form	Liquid
Colour	Water white
Viscosity	280 cPs
Gel Time	6.5 minutes
Curing System	Non-accelerated; cures with MEKP catalyst
Styrene Content	35%
Purity	99%
UV Resistance	Resists yellowing, brittleness and sun degradation
Specific Gravity / Density	1.1 g/cm³
Cure Time	12 hours
MEKP Dosage	MEKP 1.5% and Cobalt Octoate 0.4%
Flash Point	Not Provided
Shelf Life	2 months
Storage Temperature	30–35 °C
Packaging	225 kg drum
Minimum Order Quantity	500 kg

Fields marked “Not Provided” are pending confirmation with technical staff and will be issued in a revised sheet. No value is estimated or assumed.

SAFETY & HANDLING

Follow standard industrial safety practices when handling this product, including appropriate personal protective equipment and adequate ventilation. Refer to the applicable Safety Data Sheet (SDS) where available.

Disclaimer: The information above is based on data published by the manufacturer at the time of issue and is believed accurate. Values shown are typical and are not to be interpreted as guaranteed specifications; properties may vary within normal manufacturing tolerances between batches. Users are responsible for determining suitability for their intended application and should confirm current specifications directly with Samrat Poly Resins prior to use.